

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Plants for SABINENE

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|------------------|---------|----------|----------------------|--|
| <i>Abies alba</i> | Leaf | 5.0 | 7.0 | -0.2567488872230184 | -- |
| <i>Achillea millefolium</i> | Leaf | 1.0 | 1225.0 | 0.5192871434052357 | -- |
| <i>Acinos alpinus</i> | Shoot | | 0.5 | -0.2953896899441707 | Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| <i>Acinos alpinus</i> | Shoot | | 0.5 | -0.2953896899441707 | Velasco-Negueruela,A., Perez-Alonso,M.J., Jiminez,S.M. and Garcia,F.M. 1993. The Volatile Constituents of <i>Acinus alpinus</i> (L.) Moench ssp. <i>meridionalis</i> (Nyman). P.W. Ball Growing in Spain. Flav. & Frag. J. 8:127-130.) |
| <i>Acinos suaveolens</i> | Shoot | | 20.0 | -0.27462708173617634 | Tumen, G. 1991. The Volatile Constituents of <i>Acinos suaveolens</i> (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2. |
| <i>Acorus calamus</i> | Rhizome | | | | Pakistan Encyclopedia Planta Medica. 1986. |
| <i>Agathosma betulina</i> | Leaf Essent. Oil | | | | -- |
| <i>Aloysia citrodora</i> | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Alpinia galanga</i> | Rhizome | | | | -- |
| <i>Anethum graveolens</i> | Plant | | | | -- |
| <i>Anethum graveolens</i> | Leaf | 5.0 | 15.0 | -0.25165177043728276 | -- |
| <i>Anethum graveolens</i> | Essential Oil | | | | -- |
| <i>Angelica archangelica</i> | Root Essent. Oil | | | | -- |
| <i>Angelica archangelica</i> | Root | 2.0 | 95.0 | 0.0843149140979014 | -- |
| <i>Apium graveolens</i> | Leaf Essent. Oil | | | | -- |
| <i>Apium graveolens</i> | Seed | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Apium graveolens</i> | Seed Essent. Oil | | 7600.0 | -0.46016340929144367 | -- |
| <i>Aralia cordata</i> | Root | | 15.0 | -1.2647237114685208 | -- |
| <i>Artemisia dracunculus</i> | Shoot | 370.0 | 3700.0 | 3.643649749310963 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------------|---------------------|---------|----------|----------------------|---|
| <i>Artemisia annua</i> | Leaf | | 1520.0 | 0.7072433248792381 | -- |
| <i>Artemisia capillaris</i> | Essential Oil | | | | -- |
| <i>Artemisia salsolooides</i> | Shoot | | 4150.0 | 4.1227868618031405 | V. Kaul, P. Weyerstahl, H. Wahlberg, H. Marschall, (1992); Volatile constituents of the essential oil and the absolute of <i>Artemisia salsolooides</i> Willd. from Ladakh, Flavour and Fragrance journal, Vol.7, 299-305. |
| <i>Artemisia herba-alba</i> | Plant | | | | -- |
| <i>Artemisia absinthium</i> | Plant | | | | -- |
| <i>Ballota nigra</i> | Plant | | 4.0 | -0.45128797284656097 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Boswellia sacra</i> | Essential Oil | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Boswellia sacra</i> | Resin, Exudate, Sap | | 94400.0 | | Chiavari, G., Galletti, G. C., Piccaglia, R., Mohamud, M. A. 1991. Differentiation Between Resins <i>Boswellia carterii</i> and <i>Boswellia frereana</i> (Frankincense) of Somali Origin. J. Essent. Oil Res. 3 (3):185-186. |
| <i>Boswellia sacra</i> | Resin Essent. Oil | | 3000.0 | | Abdel Wahab, S. M., Aboutabl, E. A., El-Zalabani, S. M., Fouad, H. A., De Pooter, H. L., El-Fallaha, B. 1987. The Essential Oil of Olibanum. Plant Med. 53 (4): 382-384. |
| <i>Calamintha nepeta</i> | Shoot | | 13.0 | -0.2820803257082769 | Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> . J. Ess. Oil Res. 4:189-190 |
| <i>Calamintha nepeta</i> | Leaf | | 70.0 | -0.21660909253535013 | Akgul, A., De Pooter, H.L., and De Buyck, L.F. 1991. The Essential Oils of <i>Calamintha nepeta</i> subsp. <i>glandulosa</i> and <i>Ziziphora clinopodioides</i> from Turkey. J. Ess. Oil Res., 3: 7-10. |
| <i>Capsicum annum</i> | Fruit | | | | -- |
| <i>Carum carvi</i> | Seed | 4.0 | 60.0 | -0.43864204594661615 | -- |
| <i>Carum carvi</i> | Fruit | 30.0 | 60.0 | -0.5167574947017265 | -- |
| <i>Chamaemelum nobile</i> | Plant | | | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------------|----------------------|---------|----------|----------------------|---|
| <i>Chrysanthemum x morifolium</i> | Plant | 4.0 | 17.0 | -0.441840720596955 | Wealth of India. |
| <i>Chrysanthemum parthenium</i> | Shoot | | 5.0 | -0.29059831881924897 | Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of <i>Tanacetum parthenium</i> (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71. |
| <i>Cinnamomum verum</i> | Stem Bark | | | | -- |
| <i>Cinnamomum verum</i> | Root Bark | | | | -- |
| <i>Cinnamomum camphora</i> | Leaf | 595.0 | 1190.0 | 0.4969872574676423 | -- |
| <i>Cinnamomum verum</i> | Bark | 2.0 | 8.0 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Cinnamomum aromaticum</i> | Plant | | | | -- |
| <i>Cistus ladaniferus</i> | Leaf | 10.0 | 700.0 | 0.18478885434133316 | -- |
| <i>Citrus aurantium</i> | Hull Husk | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Citrus aurantium</i> | Plant | | | | -- |
| <i>Citrus sinensis</i> | Fruit Juice | 0.0 | 0.15 | | -- |
| <i>Citrus limon</i> | Leaf Essent. Oil | | 10000.0 | -0.4720621937310914 | Jim Duke's personal files. |
| <i>Citrus limon</i> | Petiole | | 95.0 | | -- |
| <i>Citrus aurantium</i> | Pericarp | | | | -- |
| <i>Citrus reticulata</i> | Fruit | 32.0 | 35.0 | -0.5246096791708357 | -- |
| <i>Citrus aurantium</i> | Leaf | 1.0 | 40.0 | -0.23572328048185884 | -- |
| <i>Citrus paradisi</i> | Pericarp | 13.0 | 26.0 | | -- |
| <i>Citrus limon</i> | Pericarp Essent. Oil | | | | Jim Duke's personal files. |
| <i>Citrus sinensis</i> | Fruit | 11.0 | 13.0 | -0.5315196015036519 | -- |
| <i>Citrus limon</i> | Essential Oil | 50.0 | 175.0 | -0.5948547061177535 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Citrus aurantiifolia</i> | Fruit | | 160.0 | -0.4853487568252894 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Citrus paradisi</i> | Leaf | | 45.0 | -0.23253758249077405 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------------|-------------------|---------|----------|----------------------|---|
| Cleonia lusitanica | Leaf | 10.0 | 12.0 | -0.25356318923193366 | Perez-Alonso, M., Velasco-Negueruela, A., and Lopez-Saez, A. 1991. The Essential Oil of Cleonia lusitanica. J. Ess. Oil Res., 3: 441-442. |
| Coriandrum sativum | Seed Essent. Oil | | 1400.0 | -0.4936167585696178 | -- |
| Coriandrum sativum | Fruit | 1.0 | 83.0 | -0.509533484990146 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Coriandrum sativum | Essential Oil | | | | -- |
| Crocus sativus | Silk Stigma Style | | | | -- |
| Cuminum cyminum | Fruit | 30.0 | 1014.0 | -0.217118135360517 | -- |
| Cuminum cyminum | Seed Essent. Oil | | 3200.0 | -0.48390449587595435 | -- |
| Cuminum cyminum | Seed | 30.0 | 1014.0 | -0.3944636041574373 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Cunila origanoides | Shoot | | 56.0 | -0.23629611273680218 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Cymbopogon nardus | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Daucus carota | Root | | 160.0 | 1.1804087973706197 | -- |
| Daucus carota | Seed | 50.0 | 2000.0 | -0.34880328591411414 | -- |
| Dracocephalum thymiflora | Plant | | 8.0 | -0.4483811260005284 | -- |
| Elettaria cardamomum | Seed Essent. Oil | | 21100.0 | -0.38732143908896777 | -- |
| Elettaria cardamomum | Fruit | 500.0 | 1425.0 | -0.08802822268836079 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| Elettaria cardamomum | Fruit Essent. Oil | 27000.0 | 49000.0 | -0.4324265291346702 | -- |
| Elettaria cardamomum | Root Essent. Oil | | 384000.0 | -1.0 | -- |
| Elsholtzia polystachya | Leaf | | 0.4 | -0.2609540085712503 | Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from Elsholtzia polystachya from Two Different Locations in India. Planta Medica 58: 376-379. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|-------------------|---------|----------|----------------------|--|
| Elsholtzia eriostachya | Shoot | | 0.6 | -0.29528321503028354 | Pant, A.K., Dev, V., Parihar, R., Mathela,C.S., Rauscher, J., Vostrowsky, O. and Bestmann, H.J. 1992. The Essential Oil from <i>Elsholtzia eriostachya</i> var. <i>pusilla</i> . <i>J. Ess. Oil Res.</i> 4: 547-549. |
| Elsholtzia polystachya | Leaf | | 0.4 | -0.2609540085712503 | Mathela,C.S., Melkani,A.B., Bisht,J.C., Pant,A.K., Bestmann,H.J., Erler,J., Kobold,U., Rauscher,J. and Vostrowsky,O. 1992. Chemical Varieties of Essential Oils from <i>Elsholtzia polystachya</i> from Two Different Locations in India. <i>Planta Medica</i> 58: 376-379. |
| Elsholtzia cristata | Shoot | | 0.1 | -0.2958155895997193 | Kobold, U., Vostrowsky, O., Bestmann, H.J., Bisht, J.C., Pant, A.K., Melkani, A.B. and Mathela, C.S. 1987. Terpenoids from <i>Elsholtzia</i> Species; II. Constituents of Essential Oil from a New Chemotype of <i>Elsholtzia cristata</i> . <i>Planta Medica</i> 1987: 268-271. |
| Elsholtzia pilosa | Shoot | | 15.0 | -0.2799508274305339 | -- |
| Eucalyptus behriana | Leaf | | 2.7 | -0.2594885874953513 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus sparsa | Leaf | | 312.0 | -0.06242130976684644 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus globulus | Fruit Essent. Oil | | | | -- |
| Eucalyptus tetraptera | Leaf | | 10.0 | -0.2548374684283676 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|------|---------|----------|----------------------|---|
| Eucalyptus forrestiana | Leaf | | 17.0 | -0.25037749124084885 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus ceratocorys | Leaf | | 6.0 | -0.2573860268212354 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus melanophloia | Leaf | 0.0 | 0.8 | -0.2606991527319636 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus odorata | Leaf | | 4.4 | -0.25840545017838246 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus ochrophloia | Leaf | | 0.5 | -0.26089029461142865 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|------|---------|----------|----------------------|---|
| Eucalyptus cuprea | Leaf | | 6.4 | -0.25713117098194854 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus populnea | Leaf | | 1.8 | -0.26006201313374666 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus stoatei | Leaf | | 23.0 | -0.2465546536515471 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrastatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus erythrandra | Leaf | | 7.0 | -0.2567488872230184 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrastatae.Flavour and Fragrance J.9(3):113-7 |
| Eucalyptus leucoxylon | Leaf | 0.0 | 5.5 | -0.2577045966203439 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|------|---------|----------|----------------------|---|
| Eucalyptus viridis | Leaf | 0.0 | 0.5 | -0.26089029461142865 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus porosa | Leaf | | 38.0 | -0.23699755967829275 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus intertexta | Leaf | | 5.5 | -0.2577045966203439 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus largisparsa | Leaf | | 4.6 | -0.2582780222587392 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus. Part VI. Subgenus Sympyomyrtus, Section Adnataria. Flavour and Fragrance J. 10(6):359-364 |
| Eucalyptus incrassata | Leaf | | 14.0 | -0.25228891003549975 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus Eucalyptus.Part I.Subgenus Sympyomyrtus,Section Dumaria, Series Incrassatae.Flavour and Fragrance J.9(3):113-7 |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------------------|------------------|---------|----------|----------------------|--|
| <i>Eucalyptus dolichorhyncha</i> | Leaf | | 6.0 | -0.2573860268212354 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Eucalyptus fasciculosa</i> | Leaf | 0.0 | 1.3 | -0.2603805829328551 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364 |
| <i>Eucalyptus angulosa</i> | Leaf | | 1.5 | -0.2602531550132117 | Bignell,C.M.,Dunlop,P.J.,Brophy,J.J.,and Jackson, J.F.1994.Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> .Part I.Subgenus <i>Sympyomyrtus</i> ,Section <i>Dumaria</i> ,Series <i>Incrassatae</i> .Flavour and Fragrance J.9(3):113-7 |
| <i>Eucalyptus desquamata</i> | Leaf | 0.0 | 15.0 | -0.25165177043728276 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364 |
| <i>Eucalyptus lansdowneana</i> | Leaf | | 3.0 | -0.25929744561588625 | Bignell, C.M., Dunlop, P.J., Brophy, J.J., and Jackson, J.F. 1995. Volatile Leaf Oils of Some South-western and Southern Australian Species of the Genus <i>Eucalyptus</i> . Part VI. Subgenus <i>Sympyomyrtus</i> , Section <i>Adnataria</i> . Flavour and Fragrance J. 10(6):359-364 |
| <i>Eupatorium triplinerve</i> | Plant | | 320.0 | -0.22164707200998565 | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Ficus carica</i> | Leaf Essent. Oil | | | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------|---------------|---------|----------|----------------------|--|
| <i>Foeniculum vulgare</i> | Seed | 1.0 | 60.0 | -0.43864204594661615 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Foeniculum vulgare</i> | Fruit | 1.0 | 60.0 | -0.5167574947017265 | -- |
| <i>Glechoma hederacea</i> | Plant | 1.0 | 9.0 | -0.4476544142890202 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma hispida</i> | Plant | | 4.0 | -0.45128797284656097 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma reverchonii</i> | Plant | | 651.0 | 0.018894504499211894 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma drummondii</i> | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hedeoma pulegioides</i> | Plant | 18.0 | 90.0 | -0.3887907656568601 | -- |
| <i>Hedychium flavum</i> | Shoot | | 420.0 | 0.15127257381242565 | -- |
| <i>Helianthus annuus</i> | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| <i>Hesperis matronalis</i> | Flower | | | | Nielsen, J. K., Jakobsen, H. B., Friis, P., Hansen, K., Moller, J., Olsen, C. E. 1995. Asynchronous Rhythmus in the Emission of Volatiles from <i>Hesperis matronalis</i> Flowers. <i>Phytochemistry</i> , 38(4): 847-851. |
| <i>Hyptis suaveolens</i> | Shoot | | 240.0 | -0.04038227118444531 | Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321. |
| <i>Hyptis suaveolens</i> | Shoot | | 240.0 | -0.04038227118444531 | Mallavarapu, G.R., Ramesh, S., Kaul, P.N., Bhattacharya, A.K., and Rao, B.R.R. 1993. The Essential Oil of <i>Hyptis suaveolens</i> (L.) Poit. <i>J. Ess. Oil Res.</i> 5: 321. |
| <i>Hyptis spicata</i> | Essential Oil | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Hyssopus officinalis</i> | Shoot | | 110.0 | -0.178799659237741 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|----------------------|--------|---------|----------|-----------------------|--|
| Hyssopus officinalis | Shoot | | 280.0 | 0.0022076943704149006 | Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. <i>J. Ess. Oil Res.</i> 5: 609-611. |
| Hyssopus officinalis | Shoot | | 110.0 | -0.178799659237741 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |
| Hyssopus officinalis | Leaf | 28.0 | 380.0 | -0.019095817088093343 | -- |
| Hyssopus officinalis | Shoot | | 90.0 | -0.2000946420151711 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |
| Hyssopus officinalis | Shoot | | 80.0 | -0.21074213340388603 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |
| Hyssopus officinalis | Shoot | | 80.0 | -0.21074213340388603 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |
| Hyssopus officinalis | Shoot | | 250.0 | -0.02973477979573026 | Tsankova, E.T., Konatchiev, A.N. and Genova, E.M. 1993. Chemical Composition of the Essential Oils of Two <i>Hyssopus officinalis</i> cultivars. <i>J. Ess. Oil Res.</i> 5: 609-611. |
| Hyssopus officinalis | Shoot | | 70.0 | -0.2213896247926011 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |
| Hyssopus officinalis | Flower | 10.0 | 100.0 | -0.43270519325643764 | -- |
| Hyssopus officinalis | Shoot | | 110.0 | -0.178799659237741 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) <i>J. Agric. Food Chem.</i> 42: 776-781. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------------|-------------------|---------|----------|----------------------|--|
| <i>Hyssopus officinalis</i> | Shoot | | 150.0 | -0.1362096936828808 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| <i>Hyssopus officinalis</i> | Shoot | | 90.0 | -0.2000946420151711 | Kerrola, K., Galambosi, B. and Kallio, H. 1994. Volatile Components and Odor Intensity of Four Phenotypes of Hyssop (<i>Hyssopus officinalis</i> L.) J. Agric. Food Chem. 42: 776-781. |
| <i>Illicium verum</i> | Fruit | 1.0 | 20.0 | -0.5293209898523012 | -- |
| <i>Juniperus communis</i> | Leaf Essent. Oil | | | | -- |
| <i>Juniperus virginiana</i> | Leaf | | | | -- |
| <i>Juniperus communis</i> | Essential Oil | | 76000.0 | -0.05757229883510122 | -- |
| <i>Juniperus communis</i> | Fruit | 172.0 | 2700.0 | 0.3124331852362114 | -- |
| <i>Juniperus communis</i> | Fruit Essent. Oil | | | | -- |
| <i>Laurus nobilis</i> | Leaf Essent. Oil | 42000.0 | 82900.0 | 0.7545516886727462 | -- |
| <i>Laurus nobilis</i> | Leaf | 25.0 | 2650.0 | 1.4272110708644 | -- |
| <i>Lavandula latifolia</i> | Plant | 0.0 | 55.0 | -0.41422567555964535 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Lavandula angustifolia</i> | Flower | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Lavandula x hybrida</i> | Shoot | 155.0 | 235.0 | -0.04570601687880284 | Tucker, A.O., Maciarelli, M.J., Angell, S., Espaillat, J.R., and French, E.C. 1993. The Essential Oil of <i>Lavandula x hybrida</i> Balb. ex Ging., a Distinct Hybrid from <i>L. x heterophylla</i> Poir. (Labiatae). J. Ess. Oil Res. 5: 443-445. |
| <i>Lavandula x intermedia</i> | Plant | 6.0 | 20.0 | -0.4396605854624306 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Leonotis leonurus</i> | Se | | 1.0 | | Pedro, L.G., Barroso, J.G., Marques, N.T., Ascensao, L., Pais, M.S.S. and Scheffer, J.J.C. 1991. Composition of the Essential Oil from Sepals of <i>Leonotis leonurus</i> R. Br. J. Ess. Oil Res. 3: 451-3 |
| <i>Lindera benzoin</i> | Leaf | | 0.03 | -0.26118975022259067 | -- |
| <i>Lindera benzoin</i> | Fruit | 5.0 | 8.0 | -0.5330900383974737 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------------|------------------|---------|----------|---------------------|---|
| <i>Lindera benzoin</i> | Twig | 41.0 | 54.0 | | -- |
| <i>Litsea glaucescens</i> | Shoot | 235.0 | 340.0 | 0.06609264270270522 | Tucker, et al, EB46(1):21-24.1992 |
| <i>Lycopus uniflorus</i> | Plant | 3.0 | 9.0 | -0.4476544142890202 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Magnolia denudata</i> | Flower | | | | -- |
| <i>Magnolia denudata</i> | Twig | | | | -- |
| <i>Magnolia denudata</i> | Bulb | | | | -- |
| <i>Magnolia denudata</i> | Leaf | | | | -- |
| <i>Magnolia denudata</i> | Bark | | | | -- |
| <i>Marrubium vulgare</i> | Plant | | | | -- |
| <i>Marrubium vulgare</i> | Essential Oil | | | | -- |
| <i>Melaleuca alternifolia</i> | Leaf | 12.0 | 30.0 | -0.2420946764640284 | -- |
| <i>Melaleuca alternifolia</i> | Essential Oil | | | | -- |
| <i>Melaleuca alternifolia</i> | Root Essent. Oil | | 491400.0 | 1.0 | -- |
| <i>Mentha x piperita</i> | Essential Oil | | | | -- |
| <i>Mentha longifolia</i> | Shoot | 20.0 | 750.0 | 0.5026397896400224 | -- |
| <i>Mentha aquatica</i> | Shoot | | 15.0 | -0.2799508274305339 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419. |
| <i>Mentha aquatica</i> | Shoot | | 10.0 | -0.2852745731248914 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. Nippon Nogeikagaku Kaishi 67(10): 1417-1419. |
| <i>Mentha spicata</i> | Leaf | | | | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------|---------------|---------|----------|----------------------|--|
| Mentha aquatica | Shoot | | 7.0 | -0.2884688205415059 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha pulegium | Essential Oil | 1500.0 | 7000.0 | -0.5464939750962685 | -- |
| Mentha aquatica | Shoot | | 35.0 | -0.25865584465310376 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha pulegium | Plant | 8.0 | 140.0 | -0.3524551800814526 | -- |
| Mentha aquatica | Shoot | | 35.0 | -0.25865584465310376 | Umemoto, K., Arai, T., Nii, H. and Furukawa, K. 1993. A New Chemotype of <i>Mentha aquatica</i> Containing Sesquiterpene Alcohols as Major Components. <i>Nippon Nogeikagaku Kaishi</i> 67(10): 1417-1419. |
| Mentha spicata | Essential Oil | | | | -- |
| Micromeria myrtifolia | Shoot | | 0.1 | -0.2958155895997193 | Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of <i>Micromeria myrtifolia</i> Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80. |
| Micromeria varia | Shoot | | 205.0 | -0.077648491044948 | -- |
| Micromeria croatica | Leaf | | 1.0 | -0.26057172481232016 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| Micromeria varia | Shoot | | 205.0 | -0.077648491044948 | Pedro, L.G., et al. 1995. Composition of the Essential oil of <i>Micromeria varia</i> Benth. ssp. <i>thymoides</i> (Sol. ex Lowe) Perez var. <i>thymoides</i> , and endemic species of the Madeira Archipelago. <i>flav. & Fragr. J.</i> 10(3): 199-202. |
| Micromeria fruticosa | Shoot | | 100.0 | -0.18944715062645606 | Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. <i>Aromatic Plants of the Holy Land and the Sinai. Part VII. J. Ess. Oil Res</i> 3: 477-479. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|------------------|----------|----------|----------------------|---|
| <i>Micromeria congesta</i> | Leaf | 40.0 | 55.0 | -0.22616618650860448 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| <i>Micromeria fruticosa</i> | Shoot | | 100.0 | -0.18944715062645606 | Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of <i>Micromeria fruticosa</i> (L.) Druce subsp. <i>barbata</i> (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479. |
| <i>Micromeria teneriffae</i> | Leaf | | 230.0 | -0.11466675682063694 | Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of <i>Micromeria congesta</i> . <i>J. Ess. Oil Res.</i> , 3: 387-393. |
| <i>Minthostachys mollis</i> | Shoot | 1.0 | 2.0 | -0.2937925662358635 | Alkire, B.H., Tucker, A.O., and Maciarello, M.J. 1994. <i>Tipo</i> (<i>Minthostachys mollis</i> (Lamiaceae): An Ecuadorian Mint. <i>Econ. Bot.</i> 48(1): 60-64. |
| <i>Moldavica thymiflora</i> | Plant | | 8.0 | -0.4483811260005284 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Monarda media</i> | Plant | | 1442.0 | 0.5937234683021585 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Monarda didyma</i> | Leaf | 100.0 | 180.0 | -0.1465237367314848 | -- |
| <i>Monarda fistulosa</i> | Plant | 1.0 | 93.0 | -0.38661063052233563 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Monarda didyma</i> | Flower | | 18.0 | -0.7425901351518777 | Flavour and Fragrance Journal, 6: 80. |
| <i>Monarda punctata</i> | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Monarda didyma</i> | Plant | 35.0 | 1230.0 | 0.43966058546243075 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Murraya koenigii</i> | Leaf | 0.0 | 11700.0 | 7.193324434727864 | -- |
| <i>Myristica fragrans</i> | Essential Oil | 210000.0 | 420000.0 | 2.3799502610756456 | -- |
| <i>Myristica fragrans</i> | Seed Essent. Oil | 178000.0 | 507000.0 | 2.2344499180505175 | -- |
| <i>Myristica fragrans</i> | Seed | 5420.0 | 62400.0 | 2.448238521283371 | -- |
| <i>Myrtus communis</i> | Shoot | 0.4 | 3.0 | -0.29272781709699197 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|--------------------|-------------------|---------|----------|----------------------|---|
| Nepeta racemosa | Shoot | | 1.0 | -0.294857315374735 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |
| Nepeta racemosa | Shoot | | 1.0 | -0.294857315374735 | Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of Nepeta racemosa Lam. J. Ess. Oil Res. 5: 215-7. |
| Ocimum basilicum | Leaf Essent. Oil | 2000.0 | 3900.0 | -0.5747006667443069 | -- |
| Ocimum basilicum | Plant | | 8.0 | -0.4483811260005284 | Die Nahrung. Pino, J., Rosado, A., Goire, I., Roncal, E., and Garcia, I. 1993. Analysis of the Essential Oil from Cuban Basil. Die Nahrung 37:(5): 501-504. |
| Ocimum gratissimum | Shoot | | 17.0 | -0.2778213291527909 | Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6. |
| Ocimum basilicum | Essential Oil | | 2500.0 | -0.5783801713741707 | -- |
| Ocimum gratissimum | Plant | 10.0 | 60.0 | -0.4105921170021046 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Ocimum basilicum | Shoot Essent. Oil | 3100.0 | 3500.0 | -0.7938224515162632 | -- |
| Oenanthe aquatica | Fruit | | | | -- |
| Origanum majorana | Leaf Essent. Oil | | 30000.0 | -0.13554261008120452 | -- |
| Origanum vulgare | Plant | | 7.0 | -0.4491078377120365 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four Origanum vulgare Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431. |
| Origanum sipyleum | Shoot | | 33.0 | -0.2607853429308468 | Baser, K.H.C., Ozek, T., Kurkuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of Origanum sipyleum of Turkish Origin. J. Ess. Oil Res. 4: 139-142. |
| Origanum vulgare | Plant | 50.0 | 2096.0 | 1.0689929276284884 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------|-------------------|---------|----------|-----------------------|--|
| Origanum onites | Shoot | | 0.1 | -0.2958155895997193 | Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7. |
| Origanum sipyleum | Shoot | | 100.0 | -0.18944715062645606 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum majorana | Plant | 75.0 | 7500.0 | 4.99614301661853 | -- |
| Origanum sipyleum | Shoot | | 75.0 | -0.21606587909824357 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum vulgare | Plant | | 20.0 | -0.4396605854624306 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431. |
| Origanum vulgare | Plant | 50.0 | 2096.0 | 1.0689929276284884 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Origanum vulgare | Shoot Essent. Oil | 400.0 | 14700.0 | 1.4105109675702203 | -- |
| Origanum majorana | Essential Oil | | 82000.0 | -0.015057370464564934 | -- |
| Origanum sipyleum | Shoot | | 75.0 | -0.21606587909824357 | Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142. |
| Origanum vulgare | Plant | | 35.0 | -0.4287599097898083 | Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431. |
| Origanum minutiflorum | Shoot | 5.0 | 15.0 | -0.2799508274305339 | Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. <i>J. Ess. Oil Res.</i> 3: 445-446. |
| Pastinaca sativa | Root | | | | -- |
| Pelargonium graveolens | Essential Oil | | | | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-------------------------|-------------------|---------|----------|----------------------|---|
| Perilla frutescens | Leaf Essent. Oil | | 4000.0 | -0.5730180688260574 | Kang, R., Helms, R., Stout, M.J., Jaber, H., Chen, Z., and Nakatsu, T. 1992. Antimicrobial Activity of the Volatile Constituents of <i>Perilla frutescens</i> and Its Synergistic Effects with Polygodial. <i>J. Agric. Food Chem.</i> , 40: 2328-2330. |
| Perilla frutescens | Shoot Essent. Oil | | | | Nguyen, X. D., La, D. M., Lu'u, D. C., Leclercq, P. A. 1995. Essential Oil Constituents from the Aerial Parts of <i>Perilla frutescens</i> (L.) Britton. <i>J. Essent. Oil Res.</i> , 7(4): 429-432. |
| Petroselinum crispum | Seed Essent. Oil | | 17000.0 | -0.4094438152245345 | -- |
| Petroselinum crispum | Leaf | | 0.54 | -0.2608648090275 | -- |
| Petroselinum crispum | Fruit Essent. Oil | | 10400.0 | -0.6587030409909505 | -- |
| Petroselinum crispum | Seed | 1.0 | 1190.0 | -0.3863132836596433 | -- |
| Peumus boldus | Leaf | 1.6 | 200.0 | -0.13378094476714567 | -- |
| Pilocarpus microphyllus | Leaf | | 90.0 | -0.203866300571011 | -- |
| Pimenta racemosa | Plant | | | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pimenta dioica | Leaf Essent. Oil | | | | -- |
| Pimenta dioica | Plant | | | | -- |
| Pimpinella anisum | Fruit | | 1.0 | -0.5352886500488243 | -- |
| Pimpinella anisum | Seed | | 1.0 | -0.44137425565894484 | -- |
| Pinus sylvestris | Essential Oil | | | | -- |
| Pinus sylvestris | Leaf | | | | Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980. |
| Pinus sylvestris | Leaf Essent. Oil | | 4500.0 | -0.5646050792348103 | -- |
| Piper nigrum | Fruit | 1500.0 | 10000.0 | 2.605271050216115 | -- |
| Piper nigrum | Seed Essent. Oil | | | | -- |
| Piper cubeba | Fruit | 4600.0 | 9200.0 | 2.3540011472046185 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Piper nigrum | Fruit Essent. Oil | 85000.0 | 204000.0 | 0.47619676977008224 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|-------------------|---------|----------|----------------------|--|
| Piper auritum | Leaf | | | | Tramil |
| Piper cubeba | Fruit Essent. Oil | 7000.0 | 470000.0 | 2.0355115924066247 | -- |
| Porophyllum ruderale | Plant | 1925.0 | 2885.0 | 1.6423684680084183 | Loayza, I., de Groot, W., Lorenzo, D. et al. 1999. Composition of the essential oil of <i>Porophyllum ruderale</i> (Jacq.) Cass. from Bolivia. <i>Flav. & Fragr.</i> J. 14: 393-8. |
| Pycnanthemum californicum | Shoot | | 180.0 | -0.10426721951673563 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum torreyi | Shoot | | 10.0 | -0.2852745731248914 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum pycnanthemoides | Shoot | 39.0 | 1856.0 | 1.6802523372319074 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum muticum | Shoot | 1.0 | 50.0 | -0.2426846075700312 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum incanum | Shoot | 11.0 | 38.0 | -0.25546159723648926 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum curvipes | Shoot | | 21.0 | -0.27356233259730484 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum virginianum | Shoot | 1.0 | 6.0 | -0.2895335696803774 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum tenuifolium | Shoot | 1.0 | 360.0 | 0.08738762548013533 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum beadlei | Shoot | | 7.0 | -0.2884688205415059 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum pilosum | Leaf | 10.0 | 70.0 | -0.21660909253535013 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum montanum | Shoot | 147.0 | 168.0 | -0.11704420918319369 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum clinopodioides | Shoot | 21.0 | 242.0 | -0.0382527729067023 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum verticillatum | Shoot | | 21.0 | -0.27356233259730484 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| Pycnanthemum setosum | Shoot | 300.0 | 465.0 | 0.19918628506164338 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------------|---------------------|---------|----------|----------------------|---|
| <i>Pycnanthemum albescens</i> | Shoot | 160.0 | 540.0 | 0.2790424704770063 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Pycnanthemum pilosum</i> | Flower | 10.0 | 70.0 | -0.5460777329742815 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Pycnanthemum loomisii</i> | Shoot | 4884.0 | 7224.0 | 7.395825714694148 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Ribes nigrum</i> | Bud | | | | -- |
| <i>Rosmarinus officinalis</i> | Shoot | | | | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246. |
| <i>Rosmarinus officinalis</i> | Plant | 0.1 | 190.0 | -0.3161195945060451 | -- |
| <i>Rosmarinus officinalis</i> | Leaf Essent. Oil | | | | -- |
| <i>Rosmarinus x lavandulaceus</i> | Shoot | 0.1 | 295.0 | 0.01817893145348748 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246. |
| <i>Rosmarinus officinalis</i> | Shoot | 19.0 | 75.0 | -0.21606587909824357 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246. |
| <i>Rosmarinus eriocalyx</i> | Shoot | | | | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246. |
| <i>Rosmarinus officinalis</i> | Resin, Exudate, Sap | | | | -- |
| <i>Rosmarinus tomentosus</i> | Shoot | 0.1 | 20.0 | -0.27462708173617634 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. <i>J. Ess. Oil Res.</i> 5: 243-246. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------|-------------------|---------|----------|----------------------|---|
| Rosmarinus officinalis | Shoot | | 4.0 | -0.29166306795812047 | Tucker, A. O. and Maciarello, M. J. 1998. The essential oils of some rosemary cultivars. Flavor and Fragrance Journal, 1: 137-142. 1986. |
| Rosmarinus eriocalyx | Shoot | | 0.1 | -0.2958155895997193 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus x mendizabalii | Shoot | | 0.1 | -0.2958155895997193 | Soriano Cano, M.C., Sotomayor Sanchez, J.A., Sanchez Gomez, P. and Garcia Vallejo, M.C. 1993. Essential Oils of the Rosmarinus eriocalyx-tomentosus Complex in Southeast Spain. J. Ess. Oil Res. 5: 243-246. |
| Rosmarinus officinalis | Shoot Essent. Oil | | 4400.0 | -0.6166885160539565 | -- |
| Salvia dorisiana | Shoot | 1.8 | 2.4 | -0.2933666665803149 | Tucker, A.O. & Maciarello, M.J. 1994. The Essential Oil of Salvia dorisiana Standley. J. Ess. Oil Res. 6: 97-8. |
| Salvia canariensis | Leaf | | 0.1 | -0.2611451504507155 | Casnigueral,S., Iglesias,J., Vila,R., Virgili,A. and Ibanez,C.1994. The Essential Oil from Leaves of Salvia canariensis L. Flav. & Frag. J. 9:201-204. S. Canigueral, Facultat de Farmacia, Universitat de Barcelona, Ave.Diagonal 643,E-08028, Barcelone Spain |
| Salvia officinalis | Leaf Essent. Oil | | 2000.0 | -0.6066700271910461 | -- |
| Salvia officinalis | Leaf | 10.0 | 56.0 | -0.22552904691038753 | Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705. |
| Salvia officinalis | Essential Oil | | 1200.0 | -0.5875917391877868 | -- |
| Sassafras albidum | Leaf | 0.0 | 0.3 | -0.2610177225310721 | -- |
| Satureja obovata | Leaf | | 65.0 | -0.2197947905264349 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of Satureja obovata. Phytochemistry 35(1): 83. |
| Satureja hortensis | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------------|--------|---------|----------|----------------------|--|
| <i>Satureja obovata</i> | Leaf | | 65.0 | -0.2197947905264349 | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83. |
| <i>Satureja grandiflora</i> | Shoot | | 15.0 | -0.2799508274305339 | Carnat, A., Chossegros, A., and Lamaison, J. 1991. The Essential Oil of <i>Satureja grandiflora</i> (L.) Scheele from France. <i>J. Ess. Oil Res.</i> , 3: 361-362 |
| <i>Satureja douglasii</i> | Plant | | 26.0 | -0.4353003151933817 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Satureja obovata</i> | Leaf | | | | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83. |
| <i>Satureja cuneifolia</i> | Shoot | | 5.0 | -0.29059831881924897 | Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . <i>J. Ess. Oil Res.</i> , 3: 365-366. |
| <i>Satureja obovata</i> | Shoot | 1.0 | 190.0 | -0.09361972812802058 | Fitoterapia No.60: 277. |
| <i>Satureja montana</i> | Plant | | 1.0 | -0.45346810798108544 | -- |
| <i>Satureja obovata</i> | Leaf | | | | Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83. |
| <i>Satureja cilicica</i> | Shoot | | 2.0 | -0.2937925662358635 | Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of <i>Satureja cilicica</i> P.H. Davis. <i>J. Ess. Oil Res.</i> 5: 547-548. |
| <i>Sideritis mugronensis</i> | Flower | 85.0 | 670.0 | 1.721373061382597 | Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397. |
| <i>Sideritis pauli</i> | Shoot | | 95.0 | -0.1947708963208136 | Burzaco, A., Velasco-Negueruela, A. and Perez-Alonso, M.J. 1992. Essential Oil Analysis of <i>Sideritis pauli</i> Pau. <i>FFJ7</i> : 47-8. 1992. |
| <i>Sideritis germanicolpitana</i> | Plant | 87.0 | 693.0 | 0.049416396382554344 | <i>J. Essential Oil</i> , 4: 533. |
| <i>Sideritis mugronensis</i> | Leaf | 15.0 | 170.0 | -0.15289513271365437 | Manez, S., Jimenez, A., and Villar, A. 1991. Volatiles of <i>Sideritis mugronensis</i> Flower and Leaf. <i>J. Ess. Oil Res.</i> , 3: 395-397. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|-----------------------------|--------------------|---------|----------|---------------------|--|
| <i>Sideritis athoa</i> | Shoot | | 7.0 | -0.2884688205415059 | Ozek, T., Baser, K.H.C. and Tumen, G. 1993. The Essential Oil of <i>Sideritis athoa</i> Papanikolaou Et Kokkini. J. Ess. Oil Res. 5: 669-670. |
| <i>Stachys germanica</i> | Plant | | 14.0 | -0.4440208557314795 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Stevia rebaudiana</i> | Flower | | | | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| <i>Stevia rebaudiana</i> | Leaf | | | | Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp. |
| <i>Tagetes minuta</i> | Fruit Essent. Oil | | 2200.0 | -0.7067721445459115 | -- |
| <i>Tagetes minuta</i> | Plant | | | | List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979. |
| <i>Tagetes filifolia</i> | Leaf Essent. Oil | | | | Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| <i>Tagetes minuta</i> | Flower Essent. Oil | | 1800.0 | | -- |
| <i>Tagetes minuta</i> | Leaf Essent. Oil | | | | Zygadlo, J. S., Guzman, C. A., Grossi, N. R. 1994. Antifungal Properties of the Leaf Oils of <i>Tagetes Minuta</i> L. and <i>T. filifolia</i> Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina. |
| <i>Tanacetum parthenium</i> | Essential Oil | | | | -- |
| <i>Tanacetum parthenium</i> | Fruit Essent. Oil | | 1000.0 | -0.7138066475051742 | -- |
| <i>Tanacetum vulgare</i> | Plant | 12.0 | 700.0 | 0.05450337836311139 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------|-------|---------|----------|----------------------|--|
| Tanacetum parthenium | Shoot | | 5.0 | -0.29059831881924897 | Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71. |
| Teucrium oxylepis | Shoot | | 3.47 | -0.2922273850017223 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium asiaticum | Shoot | | 0.1 | -0.2958155895997193 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium pseudoscorodonia | Shoot | | | | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium gnaphalodes | Shoot | | 44.0 | -0.24907310240326022 | Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402. |
| Teucrium scorodonia | Shoot | | | | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium oxylepis | Shoot | | 0.9 | -0.29496379028862213 | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six Teucrium Species from the Iberian Peninsula and the Balearic Islands. Phytochemistry 29(4): 1165-9. |
| Teucrium micropodioides | Leaf | | 165.0 | -0.1560808307047392 | Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113. |
| Teucrium divaricatum | Leaf | | 3.0 | -0.25929744561588625 | Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|----------|---------|----------|-----------------------|---|
| <i>Teucrium polium</i> | Shoot | | 36.0 | -0.25759109551423226 | Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. <i>J. Ess. Oil Res.</i> 5: 397-402. |
| <i>Teucrium salviastrum</i> | Shoot | | | | Velasco-Negueruela, A. and Perez-Alonso, M.J. 1990. The Volatiles of Six <i>Teucrium</i> Species from the Iberian Peninsula and the Balearic Islands. <i>Phytochemistry</i> 29(4): 1165-9. |
| <i>Teucrium kotschyuanum</i> | Leaf | | 36.0 | -0.23827183887472667 | Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Teucrium cyprium</i> | Leaf | | 2770.0 | 1.503667822650435 | Arnold, N., Bellomaria, B., Velentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some <i>Teucrium</i> Species from Cyprus. <i>J. Ethnopharm.</i> 35: 105-113. |
| <i>Thuja occidentalis</i> | Branches | | | | -- |
| <i>Thymus zygis</i> | Shoot | 0.1 | 40.0 | -0.25333209895874625 | De Cunha, A.P. and Salguero, L.R. 1991. The Chemical Polymorphism of <i>Thymus zygis</i> ssp. <i>sylvestris</i> from Central Portugal. <i>J. Ess. Oil Res.</i> 3: 409-12. |
| <i>Thymus serpyllum</i> | Plant | 1.0 | 19.0 | -0.4403872971739387 | -- |
| <i>Thymus longicaulis</i> | Shoot | | 0.0 | -0.2959220645136065 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus capitatus</i> | Plant | 1.0 | 10.0 | -0.4469277025775121 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Thymus funkii</i> | Shoot | | 280.0 | 0.0022076943704149006 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383. |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|---------------------------------|-------|---------|----------|-----------------------|--|
| <i>Thymus longicaulis</i> | Shoot | | 0.0 | -0.2959220645136065 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus mastichina</i> | Plant | 80.0 | 110.0 | -0.3742565314266971 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| <i>Thymus funkii</i> | Shoot | | 280.0 | 0.0022076943704149006 | Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383. |
| <i>Thymus riatarum</i> | Shoot | | 0.1 | -0.2958155895997193 | Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and II Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . <i>J. Ess. Oil Res.</i> 3: 43-4. |
| <i>Thymus longicaulis</i> | Shoot | | 185.0 | -0.0989434738223781 | Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5. |
| <i>Thymus capitatus</i> | Shoot | | 4.0 | -0.29166306795812047 | Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Fragr. J.</i> 8: 331-7. |
| <i>Thymus x citriodorus</i> | Plant | | 10.0 | -0.4469277025775121 | Stahl-Biskup, E. and Holthuijzen, J. 1995. Essential oil and glycosidally bound volatiles of lemon-scented thyme, <i>Thymus x citriodorus</i> (Pers.) Schreb. <i>Flav. & Fragr. J.</i> 10: 225-229. |
| <i>Thymus zygis</i> | Shoot | | 0.1 | -0.2958155895997193 | Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. <i>Thymus zygis</i> Oil: Its Effects on CCl ₄ -Induced Hepatotoxicity and Free Radical Scavenger Activity. <i>JEOP</i> : 153-8. |
| <i>Trichostemma dichotomum</i> | Shoot | | 430.0 | 0.1619200652011407 | Tucker, A.O. and Maciarello, M.J. 1990. The Essential Oil of <i>Trichostemma dichotomum</i> . <i>J. Ess. Oil Res.</i> 2: 149-150. |
| <i>Umbellularia californica</i> | Plant | 480.0 | 1920.0 | 0.9410916664030541 | -- |

| Plant | Part | Low PPM | High PPM | StdDev | Reference |
|------------------------------|---------------------|---------|----------|-----------------------|---|
| <i>Valeriana officinalis</i> | Leaf | 3.0 | 345.0 | -0.041395703025686854 | Father Nature's Farmacy: The aggregate of all these three-letter citations. |
| <i>Valeriana officinalis</i> | Leaf Essent. Oil | 1200.0 | 13600.0 | -0.41148866867411177 | -- |
| <i>Vitex agnus-castus</i> | Fruit | 80.0 | 800.0 | -0.2843328344160924 | -- |
| <i>Vitex agnus-castus</i> | Leaf | | 25.0 | -0.2452803744551132 | Ekundayo, O., Laakso, I., Holopainen, M., Hiltunen, R., Oguntiemein, B., and Kauppinen, V. 1990. The Chemical Composition and Antimicrobial Activity of the Leaf Oil of <i>Vitex agnus-castus</i> L. J. Essential Oil Research, 2: 115-119. |
| <i>Vitex agnus-castus</i> | Flower | | | | -- |
| <i>Vitex agnus-castus</i> | Leaf Essent. Oil | | 191600.0 | 2.583535625809881 | Jim Duke's personal files. |
| <i>Zanthoxylum alatum</i> | Fruit | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| <i>Zingiber officinale</i> | Rhizome Essent. Oil | | 700.0 | | -- |
| <i>Zingiber officinale</i> | Rhizome | | 20.0 | | -- |